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REPORT NO.

## CD NO.

NO. OF PAGES 2

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NO. OF ENCLS. (LISTED BELOW)	2*
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SUPPLEMENT TO  
REPORT NO.

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It was

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- c. A sheet from a note-book bearing the following ballistic data on the 57-mm AT gun:

Serial: 100  
 No Change in Class ☐  
☐ Rechecked  
 Date Changed To: 75 3 (3)  
 Author: HR 78-2  
 Date: 30 Aug 78 By: 017

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Muzzle velocity of a fragmentation shell:	700 meters per second
Muzzle velocity of an armor-piercing tracer shell:	990 meters per second
Muzzle velocity of a subcaliber shell:	1,270 meters per second
Maximum powder-gas pressure:	100 kg per square cm
Maximum range:	8,400 meters
Weight of shell with bursting charge:	3,140 grams
Weight of bursting charge:	1,500 grams
Caliber:	57 mm
Length of barrel from breechblock to muzzle:	4,159 meters or 73 calibers
Number of grooves:	24 (some words torn off)
Recoil fluid in recoil brake:	4.40 liters
Normal length of recoil:	970 to 1,060 mm
Maximum length of recoil:	1,100 mm
Length of gun, excluding limber:	6 meters
Length of gun, including limber:	11.36 meters
Width of gun with closed split-trail carriage:	1,900 mm
Height of gun:	1,370 mm
Tread of gun:	1,400 mm
Road clearance of gun:	340 mm
Diameter of gun wheel:	845 mm
Width of tires:	165 mm
Weight of gun barrel with breechblock:	340 kg

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\* [REDACTED] Comment. With the exception of one vehicle of the 45th Gds Engr Bn of the 39th Gds Itz Rifle Div, the present report mentions no vehicles and heavy weapons of the division's components which have been carried in Rudolstadt to date. Contrary to most of the other divisions whose return movements from troop training grounds to their home stations have been reported, no information has been received on the return of components of the 39th Gds Itz Rifle Div to Rudolstadt and Saalfeld from the Ohrdruf troop training grounds. In addition, the [REDACTED] the division headquarters, which was previously located in the revenue office of Rudolstadt, was confirmed in Ohrdruf as the consignee of fuel shipments as late as 3 November. According to these circumstances and in conjunction with the present report and a report by the same source from Saalfeld it is possible that the majority of the division's components from Rudolstadt and Saalfeld may have remained at Ohrdruf, and that the rear details from these posts also rejoined their units in Ohrdruf. See [REDACTED]. On the other hand, the 112th Gds Itz Rifle Regt was confirmed by its [REDACTED] as still in Plauen on 12 November 1951. No information has been received on the 117th Gds Itz Rifle Regt in Meiningen since the beginning of September 1951. All but one of the [REDACTED] mentioned in the present report indicate the presence in Rudolstadt of headquarters units of the XXVIII Gds Itz Rifle Corps from the Reuss Kaserne, Gera, in November. They include the corps' 53d Sig Bn. Compare with a report on further reassignments of posts in Thuringia. See [REDACTED]

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